

Applicants : James G. Retzlöff and Scott T. Franson
 Serial No. : 09/809,454
 Page : 2

11-12. (cancelled)

13-28. (withdrawn)

29. (Currently Amended) A concealed sprinkler head comprising:
 a sprinkler body having a central orifice with an inlet and an outlet, said inlet configured for attachment to a fire extinguishing fluid supply line;
 a deflector movably mounted to said sprinkler body;
 a sealing assembly for sealing said outlet;
 a thermally sensitive trigger assembly configured to releasably urge said sealing assembly into sealing engagement with said outlet;
 a housing attached to said sprinkler body and having a bottom extending beyond said outlet, said thermally sensitive trigger assembly positioned between said outlet and said bottom of said housing; and
 a cover plate removably mounted to said bottom of said housing, said cover plate having a planar portion and a periphery, wherein at least a section of said periphery projects outwardly from said planar portion away from said sprinkler body to thereby form is formed with at least one passageway section configured to enable air to travel between said passageway section and said bottom of said housing and towards said thermally sensitive trigger assembly.

30. (Currently Amended) The concealed sprinkler head of claim 29, wherein said at least one passageway section projects radially outward away from said bottom of said housing.

31-33. (withdrawn) The concealed sprinkler head of claim 29, wherein said at least one passageway section is a lip formed in at least a section of said periphery.

34. (original) The concealed sprinkler head of claim 29, further comprising a spring positioned between said cover plate and said bottom of said housing, said spring configured to thrust said cover plate away from said bottom of said housing.

Applicants : James G. Retzloff and Scott T. Franson
 Serial No. : 09/809,454
 Page : 3

B3

35. (Currently amended): ~~The A~~ concealed sprinkler head of ~~Claim 29~~, comprising:
a sprinkler body having a central orifice with an inlet and an outlet, said inlet
configured for attachment to a fire extinguishing fluid supply line;
a deflector movably mounted to said sprinkler body;
a sealing assembly for sealing said outlet;
a thermally sensitive trigger assembly configured to releasably urge said
sealing assembly into sealing engagement with said outlet;
a housing attached to said sprinkler body and having a bottom extending
beyond said outlet, said thermally sensitive trigger assembly positioned between said outlet
and said bottom of said housing; and
a cover plate removably mounted to said bottom of said housing, said cover
plate having a periphery, wherein at least a section of said periphery is formed with at least
one passageway section configured to enable air to travel between said passageway section
and said bottom of said housing and towards said thermally sensitive trigger assembly
wherein said cover plate is formed with at least one undulation defining a ridge along said
periphery, said ridge defining said at least one passageway section.

36. (Currently Amended) The concealed sprinkler head of claim 35, wherein said at least one undulation is comprises a plurality of undulations placed in spaced relation.

37-46. (withdrawn)

B4

47. (Currently Amended): ~~The A~~ concealed sprinkler head according to ~~Claim 1~~ comprising:
a housing having a central opening and a mounting surface;
a thermally sensitive trigger assembly in fluid communication with said
central opening; and
a cover plate including a body member mounted to the mounting surface and
having a periphery and an outer surface, said periphery having at least one passageway
section and an adjacent periphery section adjacent said passageway section, said passageway
section disposed further from said mounting surface than said adjacent periphery section is
spaced from said mounting surface, said at least one passageway section configured to enable

Applicants : James G. Retzliff and Scott T. Franson
Serial No. : 09/809,454
Page : 4

B4
air to travel through a passageway defined thereby and towards said thermally sensitive trigger assembly, wherein said body member includes at least one undulation formed therein, said at least one undulation forming said at least one passageway section.

48. (previously added) The concealed sprinkler head according to Claim 47, wherein said at least one undulation comprises a plurality of undulations placed in spaced relation.

49. (previously added) The concealed sprinkler head according to Claim 48, wherein said plurality of undulations are formed in a radial pattern.

B5
50. (New) The concealed sprinkler head according to Claim 47, wherein said body member comprises a central portion, said periphery section extending around said central portion, and said undulation extending through a portion of said central portion and said periphery section.

51. (New) The concealed sprinkler head according to Claim 36, wherein said plurality of undulations are placed in a radial spaced relation.